



I2003269-us. sequence listing  
SEQUENCE LISTING

<110> Tsinghua University

<120> Human Interleukin-17 Receptor Like Molecule

<130> I2003269C-US

<160> 23

<170> PatentIn version 3.1

<210> 1

<211> 4477

<212> DNA

<213> Homo sapiens

<400> 1  
gcggccgccc cgccaccgc ccactcgggg ctggccagcg gcgggcggcc ggggcgcaga 60  
gaacggcctg gctgggagag cgcacggcca tggccccgtg gctgcagctc tgctccgtct 120  
tctttacggt caacgcctgc ctcaacggct cgcagctggc tgtggccgct ggcgggtccg 180  
gccgcgcgcg gggcgccgac acctgtggct ggaggggagt ggggccagcc agcagaaaca 240  
gtgggctgta caacatcacc ttcaaataatg acaattgtac cacctacttg aatccagtgg 300  
ggaagcatgt gattgctgac gcccagaata tcaccatcag ccagtatgct tgccatgacc 360  
aagtggcagt caccattctt tgggtccccag gggccctcgg catcgaattc ctgaaaggat 420  
ttcgggtaat actggaggag ctgaagtcgg aggggaagaca gtgccaacaa ctgattctaa 480  
aggatccgaa gcagctcaac agtagcttca aaagaactgg aatggaatct caacctttcc 540  
tgaatatgaa atttgaaacg gattatttctg taaagggtgt cccttttcct tccattaaaa 600  
acgaaagcaa ttaccaccct ttcttcttta gaacccgagc ctgtgacctg ttgttacagc 660  
cggacaatct agcttgtaaa cccttctgga agcctcggaa cctgaacatc agccagcatg 720  
gctcggacat gcaggtgtcc ttcgaccacg caccgcacaa cttcggcttc cgtttcttct 780  
atcttacta caagctcaag cacgaaggac ctttcaagcg aaagacctgt gagcaggagc 840  
aaactacaga gatgaccagc tgcctccttc aaaatgtttc tccaggggat tatataattg 900  
agctggtgga tgactactaac acaacaagaa aagtgatgca ttatgcctta aagccagtgc 960  
actccccgtg ggccggggcc atcagagccg tggccatcac agtgccactg gtagtcatat 1020  
cggcattcgc gacgtcttct actgtgatgt gccgcaagaa gcaacaagaa aatatatatt 1080  
cacatttaga tgaagagagc tctgagtctt ccacatacac tgcagcactc ccaagagaga 1140  
ggctccggcc gcggccgaag gtctttctct gctattccag taaagatggc cagaatcaca 1200  
tgaatgtcgt ccagtgtttc gcctacttcc tccaggactt ctgtggctgt gaggtggctc 1260  
tggaacctgt ggaagacttc agcctctgta gagaagggca gagagaatgg gtcattccaga 1320  
agatccacga gtcccgattc atcattgtgg tttgttccaa aggtatgaag tactttgtgg 1380  
acaagaagaa ctacaaacac aaaggagggt gccgaggctc ggggaaagga gagctcttcc 1440  
tgggtggcgt gtcagccatt gccgaaaagc tccgccaggc caagcagagt tcgtccgcgg 1500

I2003269-us. sequence listing

cgctcagcaa	gtttatcgcc	gtctactttg	attattcctg	cgaggagagac	gtccccggta	1560
tcctagacct	gagtaccaag	tacagactca	tggacaatct	tcctcagctc	tgttcccacc	1620
tgcactcccc	agaccacggc	ctccaggagc	cggggcagca	cacgcgacag	ggcagcagaa	1680
ggaactactt	ccggagcaag	tcaggccggt	ccctatacgt	cgccatttgc	aacatgcacc	1740
agtttattga	cgaggagccc	gactggttcg	aaaagcagtt	cgttcccttc	catcctcctc	1800
cactgcgcta	ccgggagcca	gtcttgagga	aatttgattc	gggcttggtt	ttaaatgatg	1860
tcatgtgcaa	accagggcct	gagagtgact	tctgcctaaa	ggtagaggcg	gctgttcttg	1920
gggcaaccgg	accagccgac	tcccagcacg	agagtcagca	tgggggcctg	gaccaagacg	1980
gggaggcccc	gcctgccctt	gacggtagcg	ccgccctgca	acccctgctg	cacacggtga	2040
aagccggcag	cccctcggac	atgccgcggg	actcaggcat	ctatgactcg	tctgtgccct	2100
catccgagct	gtctctgcca	ctgatggaag	gactctcgac	ggaccagaca	gaaacgtctt	2160
ccctgacgga	gagcgtgtcc	tcctcttcag	gcctgggtga	ggaggaaacct	cctgccccttc	2220
cttccaagct	cctctcttct	gggtcatgca	aagcagatct	tggttgccgc	agctacactg	2280
atgaactcca	cgcggtcgcc	cctttgtaac	aaaacgaaag	agtctaagca	ttgccacttt	2340
agctgctgcc	tccctctgat	tccccagctc	atctccctgg	ttgcatggcc	cacttgagac	2400
tgagggtctca	tacaaggata	tttgagtgga	aatgctggcc	agtacttggt	ctcccttgcc	2460
ccaacccttt	accggatatc	ttgacaaact	ctccaatttt	ctaaaatgat	atggagctct	2520
gaaaggcatg	tccataaggt	ctgacaacag	cttgccaaat	ttggttagtc	cttggatcag	2580
agcctgttgt	gggaggtagg	gaggaaatat	gtaaagaaaa	acaggaagat	acctgcacta	2640
atcattcaga	cttcattgag	ctctgcaaac	tttgccctgtt	tgctattggc	taccttgatt	2700
tgaaatgctt	tgtgaaaaaa	ggcactttta	acatcatagc	cacagaaatc	aagtgccagt	2760
ctatctggaa	tccatgttgt	attgcagata	atgttctcat	ttatttttga	tgtagaattt	2820
acattgccat	gggtgttaaa	taagctttga	gtcaaaagtc	aagaaagtga	ctgaatatac	2880
agtcaccttt	tatgaaatga	gtctctgtgt	tactgggtgg	catgactgat	tgagggtgaag	2940
ctcacggggc	caggctgacc	gtcttgaccg	ttccacttga	gataggttgg	tcatcgtgca	3000
gaaggcccca	ggacctcagc	acacacagcc	tcctcttggt	ctgagtaggc	atcatgtggg	3060
ggccagatct	gcctgctgtt	tccatgggtt	acatttactg	tgctgtatct	cagatgttgg	3120
tgtctggaag	tttattctta	agagactgct	acccagctgg	tctgtattat	tggaagttgc	3180
agttcgtgct	ttggttggcc	ttctggtcta	aagctgtgtc	ctgaatatta	gggatcacaa	3240
ttcactgaaa	tacagcagtg	tgtggagggtg	atggccagtt	aatctgctga	actggttttg	3300
actaatgaca	aacctctttt	taagatggta	gaatggaggt	gatagtcaca	aaagtaaagt	3360
ttccattttt	atgaatgact	ttctacagag	tttctatttc	taaagaaaaa	acaattgttc	3420
acatcccatc	tgatgattag	catgtgtgta	atgaatgctg	tcttggtctc	ccctgtggaa	3480
acccttctcc	ctgtgcctta	gagcagggtg	gtacatctct	cactaccttt	ctcatgggtg	3540

I2003269-us. sequence listing

ctgtagatt ttggcaccg ttttctcagc attcagccca ggaatgtgg ttttcacttc	3600
ttcgtcagat aagaccaaca tgaaggggta tgtagagaaa catcctgagg caaggtggga	3660
ggtaggatgg ggcaggactt tcccttccaa gcacatgcat ggcagggtggg gaaagggggg	3720
cttgaccccc tgctggaaag aaaagggttg tgtatatttc tgatgcaa at gtcatactca	3780
ctgctctgta aaggcagctg gcagcttttt gggaaaagaa cgtgctcgtc tgttctctgg	3840
catcaagttt cttgcagctg ctctgagggg gagacagtga gctgcaagac tgcctcccca	3900
taacaacagg caactcagag aagagtcatt ttatgttgtt cctatggaat ctggaatgag	3960
tgcagagctc ctaccacac atgactgccc cgccatttca tcctaggcat tctgtgaagg	4020
agattgggta gtccaaactt gctaacatac gaaaattcac ttggaacatg atgagagatt	4080
tcttattgag gccaagagat gtttcctgtc ccagaggaac cattaggagt cgcttttagg	4140
gtattcagct ttgttcatga aataaggcat ctctgagaaa gtggccccag ggagagaatg	4200
gaggactggg aggagaagca ttaactgagc tccaaggggtg tgtgggcaga gagcttgcta	4260
tgtgaactca ctccttaaga aaatggaaga gaaaaagaga gtgctagtta aaaaatcggg	4320
atgttttagt ttggatttag ggttttgata cttatgttga aataactaatg tttctgatca	4380
ataaaatcaa actcttaata taccgagtaa tgaaaccata gtgtgattgc ctcagaataa	4440
attgagaagt ccaaaaaaaaa aaaaaaaaaa aaaaaaa	4477

<210> 2  
 <211> 739  
 <212> PRT  
 <213> Homo sapiens

<400> 2

Met Ala Pro Trp Leu Gln Leu Cys Ser Val Phe Phe Thr Val Asn Ala  
 1 5 10 15

Cys Leu Asn Gly Ser Gln Leu Ala Val Ala Ala Gly Gly Ser Gly Arg  
 20 25 30

Ala Arg Gly Ala Asp Thr Cys Gly Trp Arg Gly Val Gly Pro Ala Ser  
 35 40 45

Arg Asn Ser Gly Leu Tyr Asn Ile Thr Phe Lys Tyr Asp Asn Cys Thr  
 50 55 60

Thr Tyr Leu Asn Pro Val Gly Lys His Val Ile Ala Asp Ala Gln Asn  
 65 70 75 80

Ile Thr Ile Ser Gln Tyr Ala Cys His Asp Gln Val Ala Val Thr Ile  
 85 90 95

Leu Trp Ser Pro Gly Ala Leu Gly Ile Glu Phe Leu Lys Gly Phe Arg  
 100 105 110

I2003269-us. sequence listing

Val Ile Leu Glu Glu Leu Lys Ser Glu Gly Arg Gln Cys Gln Gln Leu  
           115                          120                          125

Ile Leu Lys Asp Pro Lys Gln Leu Asn Ser Ser Phe Lys Arg Thr Gly  
       130                          135                          140

Met Glu Ser Gln Pro Phe Leu Asn Met Lys Phe Glu Thr Asp Tyr Phe  
   145                          150                          155                          160

Val Lys Val Val Pro Phe Pro Ser Ile Lys Asn Glu Ser Asn Tyr His  
                           165                          170                          175

Pro Phe Phe Phe Arg Thr Arg Ala Cys Asp Leu Leu Leu Gln Pro Asp  
                           180                          185                          190

Asn Leu Ala Cys Lys Pro Phe Trp Lys Pro Arg Asn Leu Asn Ile Ser  
           195                          200                          205

Gln His Gly Ser Asp Met Gln Val Ser Phe Asp His Ala Pro His Asn  
       210                          215                          220

Phe Gly Phe Arg Phe Phe Tyr Leu His Tyr Lys Leu Lys His Glu Gly  
   225                          230                          235                          240

Pro Phe Lys Arg Lys Thr Cys Glu Gln Glu Gln Thr Thr Glu Met Thr  
                           245                          250                          255

Ser Cys Leu Leu Gln Asn Val Ser Pro Gly Asp Tyr Ile Ile Glu Leu  
           260                          265                          270

Val Asp Asp Thr Asn Thr Thr Arg Lys Val Met His Tyr Ala Leu Lys  
           275                          280                          285

Pro Val His Ser Pro Trp Ala Gly Pro Ile Arg Ala Val Ala Ile Thr  
       290                          295                          300

Val Pro Leu Val Val Ile Ser Ala Phe Ala Thr Leu Phe Thr Val Met  
   305                          310                          315                          320

Cys Arg Lys Lys Gln Gln Glu Asn Ile Tyr Ser His Leu Asp Glu Glu  
           325                          330                          335

Ser Ser Glu Ser Ser Thr Tyr Thr Ala Ala Leu Pro Arg Glu Arg Leu  
           340                          345                          350

Arg Pro Arg Pro Lys Val Phe Leu Cys Tyr Ser Ser Lys Asp Gly Gln  
           355                          360                          365

Asn His Met Asn Val Val Gln Cys Phe Ala Tyr Phe Leu Gln Asp Phe  
       370                          375                          380

I2003269-us. sequence listing

Cys Gly Cys Glu Val Ala Leu Asp Leu Trp Glu Asp Phe Ser Leu Cys  
 385 390 395 400

Arg Glu Gly Gln Arg Glu Trp Val Ile Gln Lys Ile His Glu Ser Gln  
 405 410 415

Phe Ile Ile Val Val Cys Ser Lys Gly Met Lys Tyr Phe Val Asp Lys  
 420 425 430

Lys Asn Tyr Lys His Lys Gly Gly Gly Arg Gly Ser Gly Lys Gly Glu  
 435 440 445

Leu Phe Leu Val Ala Val Ser Ala Ile Ala Glu Lys Leu Arg Gln Ala  
 450 455 460

Lys Gln Ser Ser Ser Ala Ala Leu Ser Lys Phe Ile Ala Val Tyr Phe  
 465 470 475 480

Asp Tyr Ser Cys Glu Gly Asp Val Pro Gly Ile Leu Asp Leu Ser Thr  
 485 490 495

Lys Tyr Arg Leu Met Asp Asn Leu Pro Gln Leu Cys Ser His Leu His  
 500 505 510

Ser Arg Asp His Gly Leu Gln Glu Pro Gly Gln His Thr Arg Gln Gly  
 515 520 525

Ser Arg Arg Asn Tyr Phe Arg Ser Lys Ser Gly Arg Ser Leu Tyr Val  
 530 535 540

Ala Ile Cys Asn Met His Gln Phe Ile Asp Glu Glu Pro Asp Trp Phe  
 545 550 555 560

Glu Lys Gln Phe Val Pro Phe His Pro Pro Pro Leu Arg Tyr Arg Glu  
 565 570 575

Pro Val Leu Glu Lys Phe Asp Ser Gly Leu Val Leu Asn Asp Val Met  
 580 585 590

Cys Lys Pro Gly Pro Glu Ser Asp Phe Cys Leu Lys Val Glu Ala Ala  
 595 600 605

Val Leu Gly Ala Thr Gly Pro Ala Asp Ser Gln His Glu Ser Gln His  
 610 615 620

Gly Gly Leu Asp Gln Asp Gly Glu Ala Arg Pro Ala Leu Asp Gly Ser  
 625 630 635 640

Ala Ala Leu Gln Pro Leu Leu His Thr Val Lys Ala Gly Ser Pro Ser  
 645 650 655

I2003269-us. sequence listing

Asp Met Pro Arg Asp Ser Gly Ile Tyr Asp Ser Ser Val Pro Ser Ser  
660 665 670

Glu Leu Ser Leu Pro Leu Met Glu Gly Leu Ser Thr Asp Gln Thr Glu  
675 680 685

Thr Ser Ser Leu Thr Glu Ser Val Ser Ser Ser Ser Gly Leu Gly Glu  
690 695 700

Glu Glu Pro Pro Ala Leu Pro Ser Lys Leu Leu Ser Ser Gly Ser Cys  
705 710 715 720

Lys Ala Asp Leu Gly Cys Arg Ser Tyr Thr Asp Glu Leu His Ala Val  
725 730 735

Ala Pro Leu

<210> 3  
<211> 4508  
<212> DNA  
<213> Homo sapiens

<400> 3  
cagcagtggg aacgacgcac agtacgcggg ggaaaagaaa cgggaagtgg ccgtgggccc 60  
gtgaattccg tgtagtggcc aagctttgtt ccaaagaggg ggaggtggtg acagtctctt 120  
gcccactgaa gcgtgccaga cagagtgcta ggcatggggg cagaggtgaa tcagatgaca 180  
gccacctctc accacgagga gtggctgaaa gtgtgactgg actacaggca atcctggcct 240  
tggcagggag tggggccagc cagcagaaac agtgggctgt acaacatcac cttcaaatat 300  
gacaattgta ccacctactt gaatccagtg gggaagcatg tgattgctga cgcccagaat 360  
atcaccatca gccagtatgc ttgccatgac caagtggcag tcaccattct ttgggtcccca 420  
ggggccctcg gcatcgaatt cctgaaagga tttcgggtaa tactggagga gctgaagtcg 480  
gaggggaagac agtgccaaca actgattcta aaggatccga agcagctcaa cagtagcttc 540  
aaaagaactg gaatggaatc tcaacctttc ctgaatatga aatttgaaac ggattatttc 600  
gtaaagggtt tcccttttcc ttccattaaa aacgaaagca attaccacc tttcttcttt 660  
agaacccgag cctgtgacct gttgttacag ccggacaatc tagcttgtaa acccttctgg 720  
aagcctcgga acctgaacat cagccagcat ggctcggaca tgcaggtgtc cttcgaccac 780  
gcaccgcaca acttcggctt ccgtttcttc tatcttact acaagctcaa gcacgaagga 840  
cctttcaagc gaaagacctg taagcaggag caaactacag agatgaccag ctgcctcctt 900  
caaatgttt ctccagggga ttatataatt gagctggtgg atgacactaa cacaacaaga 960  
aaagtgatgc attatgcctt aaagccagtg cactccccgt gggccgggccc catcagagcc 1020  
gtggccatca cagtgccact ggtagtcata tcggcattcg cgacgctctt cactgtgatg 1080  
tgccgcaaga agcaacaaga aaatatatat tcacatttag atgaagagag ctctgagtct 1140

I2003269-us. sequence listing

tccacataca	ctgcagcact	cccaagagag	aggctccggc	cgcggccgaa	ggctctttctc	1200
tgctattcca	gtaaagatgg	ccagaatcac	atgaatgtcg	tccagtgttt	cgcttacttc	1260
ctccaggact	tctgtggctg	tgagggtggct	ctggacctgt	gggaagactt	cagcctctgt	1320
agagaagggc	agagagaatg	ggatcatccag	aagatccacg	agtcccagtt	catcattgtg	1380
gtttgttcca	aaggtatgaa	gtactttgtg	gacaagaaga	actacaaaca	caaaggagggt	1440
ggccgaggct	cggggaaaag	agagctcttc	ctgggtggcgg	tgtagccat	tgccgaaaag	1500
ctccgccagg	ccaagcagag	ttcgtccgcg	gcgctcagca	agtttatcgc	cgtctacttt	1560
gattattcct	gcgagggaga	cgtccccggt	atcctagacc	tgagtaccaa	gtacagactc	1620
atggacaatc	ttcctcagct	ctgttcccac	ctgcactccc	gagaccacgg	cctccaggag	1680
ccggggcagc	acacgcgaca	gggcagcaga	aggaactact	tccggagcaa	gtcaggccgg	1740
tccctatacg	tcgccatttg	caacatgcac	cagtttattg	acgaggagcc	cgactggttc	1800
gaaaagcagt	tcgttccctt	ccatcctcct	ccactgcgct	accgggagcc	agtcttgag	1860
aaatttgatt	cgggcttggt	tttaaattgat	gtcatgtgca	aaccagggcc	tgagagtgc	1920
ttctgcctaa	aggtagaggc	ggctgttctt	ggggcaaccg	gaccagccga	ctcccagcac	1980
gagagtcagc	atgggggcct	ggaccaagac	ggggaggccc	ggcctgccct	tgacggtagc	2040
gccgccttgc	aacccttgc	gcacacgggtg	aaagccggca	gcccctcgga	catgccgcgg	2100
gactcaggca	tctatgactc	gtctgtgccc	tcattccgagc	tgtctctgcc	actgatggaa	2160
ggactctcga	cggaccagac	agaaacgtct	tccctgacgg	agagcgtgtc	ctcctcttca	2220
ggcctgggtg	aggaggaacc	tcctgcccct	ccttccaagc	tcctctcttc	tgggtcatgc	2280
aaagcagatc	ttggttgccg	cagctacact	gatgaactcc	acgcggtcgc	ccctttgtaa	2340
caaaacgaaa	gagtctaagc	attgccactt	tagctgtgtc	ctccctctga	ttccccagct	2400
catctccctg	gttgcatggc	ccacttggag	ctgaggcttc	atacaaggat	atttgagtg	2460
aaatgctggc	cagtacttgt	tctcccttgc	cccaaccctt	taccggatat	cttgacaaac	2520
tctccaattt	tctaaaatga	tatggagctc	tgaaaggcat	gtccataagg	tctgacaaca	2580
gcttgccaaa	tttggttagt	ccttggatca	gagcctgttg	tgggaggtag	ggaggaaata	2640
tgtaaagaaa	aacaggaaga	tacctgcact	aatcattcag	acttcattga	gctctgcaaa	2700
ctttgcctgt	ttgctatttg	ctaccttgat	ttgaaatgct	ttgtgaaaaa	aggcactttt	2760
aacatcatag	ccacagaaat	caagtgccag	tctatctgga	atccatgttg	tattgcagat	2820
aatgttctca	tttatttttg	atgtagaatt	tacattgcca	tgggtgttaa	ataagctttg	2880
agtcaaaagt	caagaaagtg	actgaatata	cagtcacctt	ttatgaaatg	agtctctgtg	2940
ttactgggtg	gcatgactga	ttgaggtgaa	gctcacgggg	ccaggctgac	cgtcttgacc	3000
gttccacttg	agatagggtg	gtcatcgtgc	agaaggcccc	aggacctcag	cacacacagc	3060
ctcctcttgg	tctgagtagg	catcatgtgg	gggccagatc	tgcttgcctg	ttccatgggt	3120
tacatttact	gtgctgtatc	tcagatgttg	gtgtctggaa	gtttattctt	aagagactgc	3180

I2003269-us. sequence listing

taccagctg gtctgtatta ttggaagttg cagttcgtgc ttggttggc cttctggtct	3240
aaagctgtgt cctgaatatt agggatcaca attcactgaa atacagcagt gtgtggaggt	3300
gatggccagt taatctgctg aactggtttt gactaatgac aaacctcttt ttaagatggt	3360
agaatggagg tgatagtcac aaaagtaaat gttccatttt tatgaatgac tttctacaga	3420
gtttctattt ctaaagaaaa aacaattggt cacatcccat ctgatgatta gcatgtgtgt	3480
aatgaatgct gtcttggtct cccctgtgga aacccttctc cctgtgcctt agagcaggtg	3540
tgtacatctc tcactacctt tctcatgggt gctgttagat ttggcaccg gttttctcag	3600
cattcagccc agggaatgtg gttttcactt cttcgtcaga taagaccaac atgaaggggt	3660
atgttgagaa acatcctgag gcaagggtggg aggtgggatg gggcaggact ttcccttcca	3720
agcacatgca tggcaggtgg ggaaaggggg gcttgcaccg ctgctggaaa gaaaaggttt	3780
gtgtatattt ctgatgcaaa tgtcactctc actgctctgt aaaggcagct ggcagctttt	3840
tgggaaaaga acgtgctcgt ctgttctctg gcatcaagtt tcttgcagct gctctgaggg	3900
agagacagtg agctgcaaga ctgcctcccc ataacaacag gcaactcaga gaagagtcac	3960
tttatgttgt tcctatggaa tctggaatga gtgcagagct cctaccaca catgactgcc	4020
ccgccatttc atcctaggca ttctgtgaag gagattggtt agtccaaact tgctaacata	4080
cgaaaattca cttggaacat gatgagagat ttcttattga ggccaagaga tgtttcctgt	4140
cccagaggaa ccattaggag tcgcttttag ggtattcagc ttgtttcatg aaataaggca	4200
tctctgagaa agtggcccca gggagagaat ggaggactgg gaggagaagc attactgag	4260
ctccaagggg gtgtgggcag agagcttgct atgtgaactc actccttaag aaaatggaag	4320
agaaaaagag agtgctagtt aaaaaatcgg gatgttttag ttggattta gggttttgat	4380
acttatgttg aaataactaat gtttctgac aataaaatca aactcttaat ataccgagta	4440
atgaaaccat agtgtgattg cctcagaata aattgagaag tccaaaaaaa aaaaaaaaaa	4500
aaaaaaaa	4508

<210> 4  
 <211> 595  
 <212> PRT  
 <213> Homo sapiens

<400> 4

Met Glu Ser Gln Pro Phe Leu Asn Met Lys Phe Glu Thr Asp Tyr Phe  
 1 5 10 15

Val Lys Val Val Pro Phe Pro Ser Ile Lys Asn Glu Ser Asn Tyr His  
 20 25 30

Pro Phe Phe Phe Arg Thr Arg Ala Cys Asp Leu Leu Leu Gln Pro Asp  
 35 40 45

Asn Leu Ala Cys Lys Pro Phe Trp Lys Pro Arg Asn Leu Asn Ile Ser  
 50 55 60



I2003269-us. sequence listing

Gln His Gly Ser Asp Met Gln Val Ser Phe Asp His Ala Pro His Asn  
65 70 75 80

Phe Gly Phe Arg Phe Phe Tyr Leu His Tyr Lys Leu Lys His Glu Gly  
85 90 95

Pro Phe Lys Arg Lys Thr Cys Lys Gln Glu Gln Thr Thr Glu Met Thr  
100 105 110

Ser Cys Leu Leu Gln Asn Val Ser Pro Gly Asp Tyr Ile Ile Glu Leu  
115 120 125

Val Asp Asp Thr Asn Thr Thr Arg Lys Val Met His Tyr Ala Leu Lys  
130 135 140

Pro Val His Ser Pro Trp Ala Gly Pro Ile Arg Ala Val Ala Ile Thr  
145 150 155 160

Val Pro Leu Val Val Ile Ser Ala Phe Ala Thr Leu Phe Thr Val Met  
165 170 175

Cys Arg Lys Lys Gln Gln Glu Asn Ile Tyr Ser His Leu Asp Glu Glu  
180 185 190

Ser Ser Glu Ser Ser Thr Tyr Thr Ala Ala Leu Pro Arg Glu Arg Leu  
195 200 205

Arg Pro Arg Pro Lys Val Phe Leu Cys Tyr Ser Ser Lys Asp Gly Gln  
210 215 220

Asn His Met Asn Val Val Gln Cys Phe Ala Tyr Phe Leu Gln Asp Phe  
225 230 235 240

Cys Gly Cys Glu Val Ala Leu Asp Leu Trp Glu Asp Phe Ser Leu Cys  
245 250 255

Arg Glu Gly Gln Arg Glu Trp Val Ile Gln Lys Ile His Glu Ser Gln  
260 265 270

Phe Ile Ile Val Val Cys Ser Lys Gly Met Lys Tyr Phe Val Asp Lys  
275 280 285

Lys Asn Tyr Lys His Lys Gly Gly Gly Arg Gly Ser Gly Lys Gly Glu  
290 295 300

Leu Phe Leu Val Ala Val Ser Ala Ile Ala Glu Lys Leu Arg Gln Ala  
305 310 315 320

Lys Gln Ser Ser Ser Ala Ala Leu Ser Lys Phe Ile Ala Val Tyr Phe  
325 330 335

I2003269-us. sequence listing

Asp Tyr Ser Cys Glu Gly Asp Val Pro Gly Ile Leu Asp Leu Ser Thr  
340 345 350

Lys Tyr Arg Leu Met Asp Asn Leu Pro Gln Leu Cys Ser His Leu His  
355 360 365

Ser Arg Asp His Gly Leu Gln Glu Pro Gly Gln His Thr Arg Gln Gly  
370 375 380

Ser Arg Arg Asn Tyr Phe Arg Ser Lys Ser Gly Arg Ser Leu Tyr Val  
385 390 395 400

Ala Ile Cys Asn Met His Gln Phe Ile Asp Glu Glu Pro Asp Trp Phe  
405 410 415

Glu Lys Gln Phe Val Pro Phe His Pro Pro Pro Leu Arg Tyr Arg Glu  
420 425 430

Pro Val Leu Glu Lys Phe Asp Ser Gly Leu Val Leu Asn Asp Val Met  
435 440 445

Cys Lys Pro Gly Pro Glu Ser Asp Phe Cys Leu Lys Val Glu Ala Ala  
450 455 460

Val Leu Gly Ala Thr Gly Pro Ala Asp Ser Gln His Glu Ser Gln His  
465 470 475 480

Gly Gly Leu Asp Gln Asp Gly Glu Ala Arg Pro Ala Leu Asp Gly Ser  
485 490 495

Ala Ala Leu Gln Pro Leu Leu His Thr Val Lys Ala Gly Ser Pro Ser  
500 505 510

Asp Met Pro Arg Asp Ser Gly Ile Tyr Asp Ser Ser Val Pro Ser Ser  
515 520 525

Glu Leu Ser Leu Pro Leu Met Glu Gly Leu Ser Thr Asp Gln Thr Glu  
530 535 540

Thr Ser Ser Leu Thr Glu Ser Val Ser Ser Ser Gly Leu Gly Glu  
545 550 555 560

Glu Glu Pro Pro Ala Leu Pro Ser Lys Leu Leu Ser Ser Gly Ser Cys  
565 570 575

Lys Ala Asp Leu Gly Cys Arg Ser Tyr Thr Asp Glu Leu His Ala Val  
580 585 590

Ala Pro Leu  
595

I2003269-us. sequence listing

<210> 5  
 <211> 32  
 <212> DNA  
 <213> Artificial  
 <220>  
 <223> Primer  
 <400> 5  
 tatagcgata tcatggacaa actcaggggtg cc 32

<210> 6  
 <211> 30  
 <212> DNA  
 <213> Artificial  
 <220>  
 <223> Primer  
 <400> 6  
 aatgaattcc taggagcagg ccacatagcc 30

<210> 7  
 <211> 25  
 <212> DNA  
 <213> Artificial  
 <220>  
 <223> Primer  
 <400> 7  
 ataaagctta tggccccgtg gctgc 25

<210> 8  
 <211> 26  
 <212> DNA  
 <213> Artificial  
 <220>  
 <223> Primer  
 <400> 8  
 ttctcgagtt acaaaggggc gaccgc 26

<210> 9  
 <211> 32  
 <212> DNA  
 <213> Artificial  
 <220>  
 <223> Primer  
 <400> 9  
 tatagcgata tcatggacaa actcaggggtg cc 32

<210> 10  
 <211> 29  
 <212> DNA  
 <213> Artificial  
 <220>

I2003269-us. sequence listing

<223> Primer	
<400> 10	
tatagaattc cagcagggcc agaaccgtc	29
<210> 11	
<211> 25	
<212> DNA	
<213> Artificial	
<220>	
<223> Primer	
<400> 11	
attgaattct gccgcaagaa gcaac	25
<210> 12	
<211> 27	
<212> DNA	
<213> Artificial	
<220>	
<223> Primer	
<400> 12	
attggatcct tacaaagggg cgaccgc	27
<210> 13	
<211> 30	
<212> DNA	
<213> Artificial	
<220>	
<223> Primer	
<400> 13	
ataggtacca tggaatctca acctttcctg	30
<210> 14	
<211> 25	
<212> DNA	
<213> Artificial	
<220>	
<223> Primer	
<400> 14	
ataggatccc aaaggggcga ccgcg	25
<210> 15	
<211> 31	
<212> DNA	
<213> Artificial	
<220>	
<223> Primer	
<400> 15	
cgtaggtaccg atggaatctc aacctttcct g	31
<210> 16	
<211> 24	

I2003269-us. sequence listing

<212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Primer  
  
 <400> 16  
 atatctagag ggcccggccc acgg 24  
  
 <210> 17  
 <211> 23  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Primer  
  
 <400> 17  
 agctcaccat ggatgatgat atc 23  
  
 <210> 18  
 <211> 24  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Primer  
  
 <400> 18  
 tggtgaaggt ctcaaacatg atct 24  
  
 <210> 19  
 <211> 16  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Primer  
  
 <400> 19  
 agatttctag gaattc 16  
  
 <210> 20  
 <211> 5  
 <212> PRT  
 <213> Homo sapiens  
  
 <400> 20  
 Trp Ser Xaa Trp Ser  
 1 5  
  
 <210> 21  
 <211> 5  
 <212> PRT  
 <213> Homo sapiens  
  
 <400> 21  
 Trp Ser Pro Gly Ala  
 1 5

I2003269-us. sequence listing

<210> 22  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<400> 22

Thr Pro Pro Pro Leu Arg Pro Arg Lys Val Trp  
 1 5 10

<210> 23  
 <211> 12  
 <212> PRT  
 <213> Homo sapiens

<400> 23

Pro Phe His Pro Pro Pro Leu Arg Tyr Arg Glu Pro  
 1 5 10